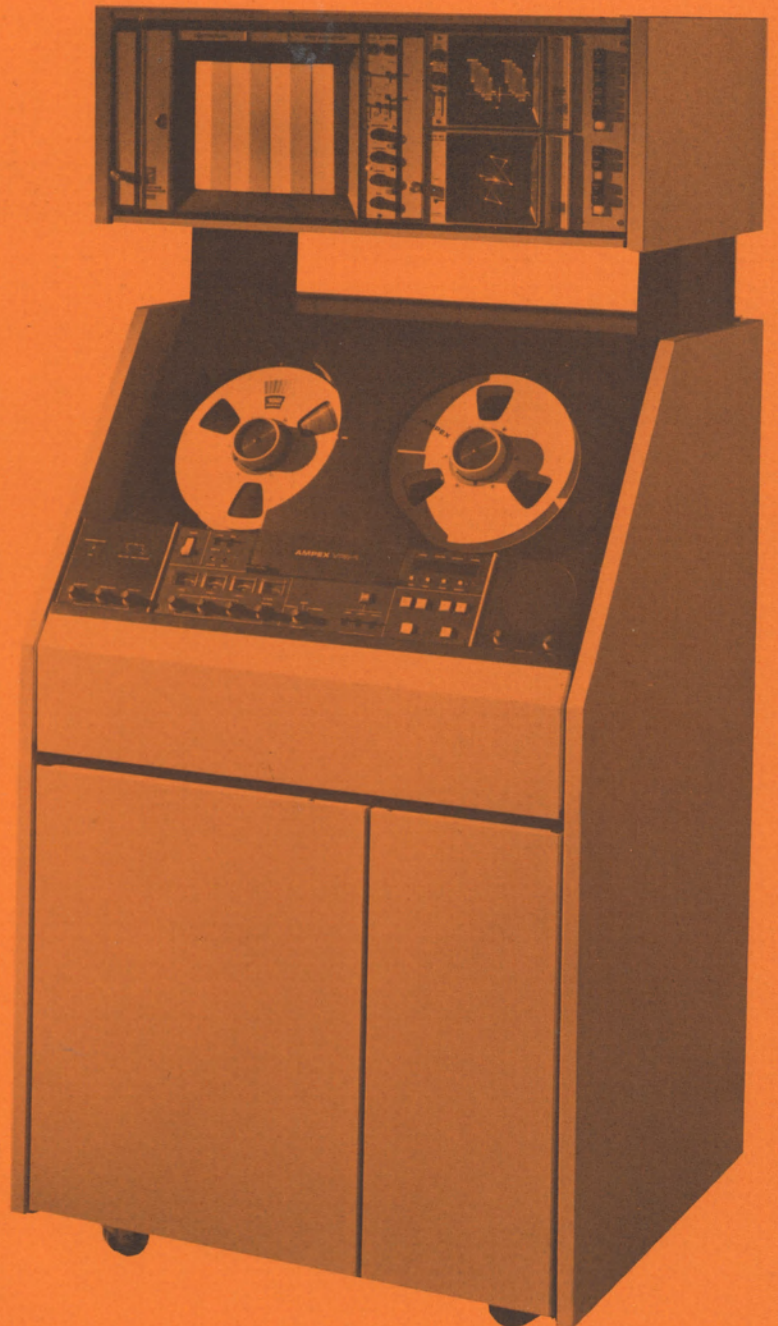


AMPEX

AMPEX VPR-1 SERIES

**Video
Production
Recorder**



THE VPR-1 HELICAL-SCAN VIDEOTAPE RECORDER



**Designed from
the ground up
to broadcasters'
standards of
excellence.**

- **Performance**
- **Reliability**
- **Versatility**
- **And the unprecedented
automatic scan tracking
(AST) system.**

A FAMILY OF VIDEOTAPE RECORDERS TO SUIT EVERY APPLICATION



- **Broadcast**
- **Production**
- **Industrial**
- **Educational**
- **Medical**



THE BASIC VPR-1

- **Standard rack-mount configuration**
- **Operates in any position**

NEED PORTABILITY?

**Simply add the optional side-panels,
and it becomes**

THE STANDUP PORTABLE

- **Convenient for
table-top use**
- **Convenient for
mobile use**



**Reverse the side-panels and it's a
laydown portable**



**NEED MORE
MOBILITY?**

Place the VPR-1 on the roll-around cart



**And it becomes a
Miniconsole**

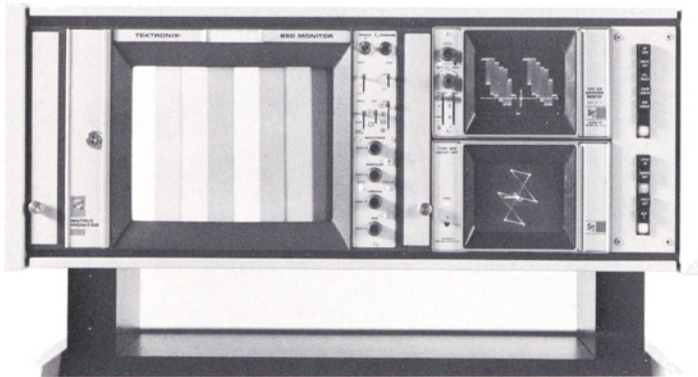


**The Miniconsole also
accommodates the
optional digital time-base
corrector shown here**

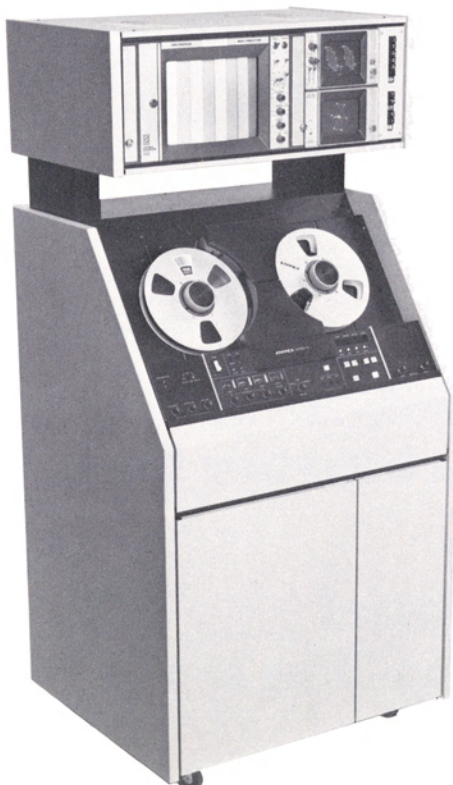
NEED A STUDIO CONSOLE?

The standard rack-mount VPR-1 drops right into a full studio console along with the TBC

- **Includes audio monitoring**
- **TBC remote controls**



An overhead bridge with an array of monitoring options may also be fitted . . .



**for a full
studio console**

STILL WANT MORE?

Pull the basic VPR-1 out of the studio console (or Miniconsole) . . .

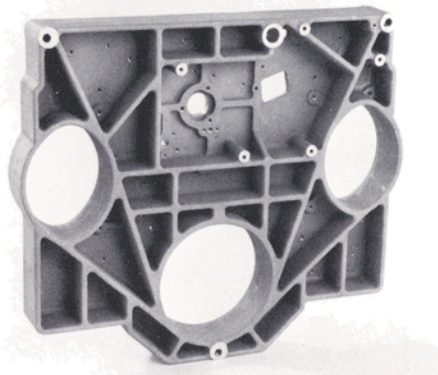
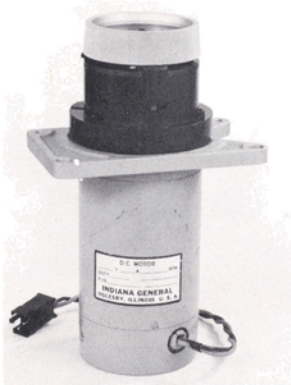


**and you have
two machines in one!**

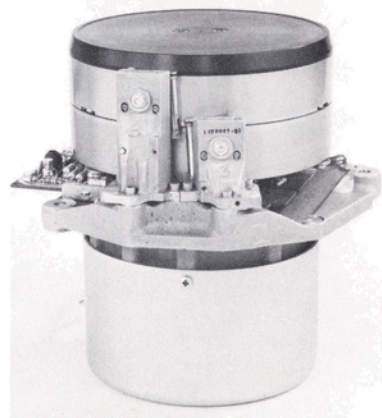
THE VPR-1 PROVIDES

- **All the advantages of a field-per-scan recorder**
 - **No segmentation**
 - **Economy of operation**
 - **Slow motion**
 - **Still framing**
- **Performance**
- **Reliability**

Start with an absolutely stable cast alloy transport like this

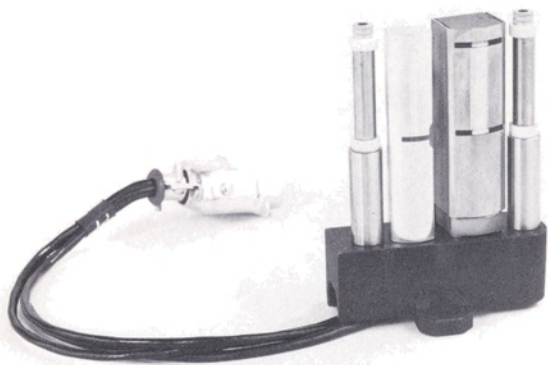
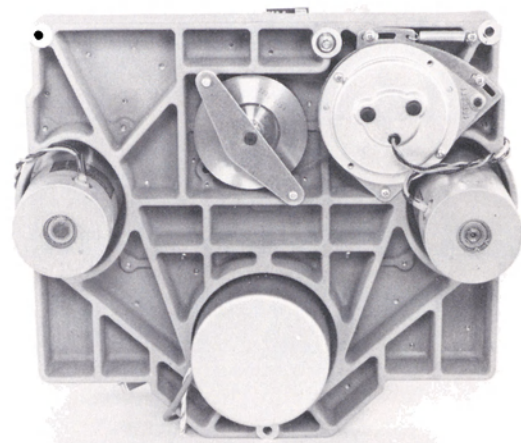
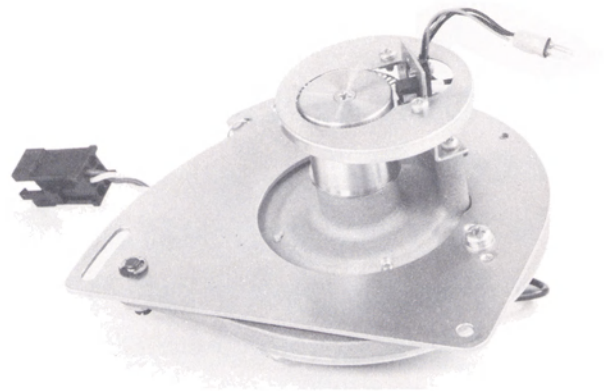
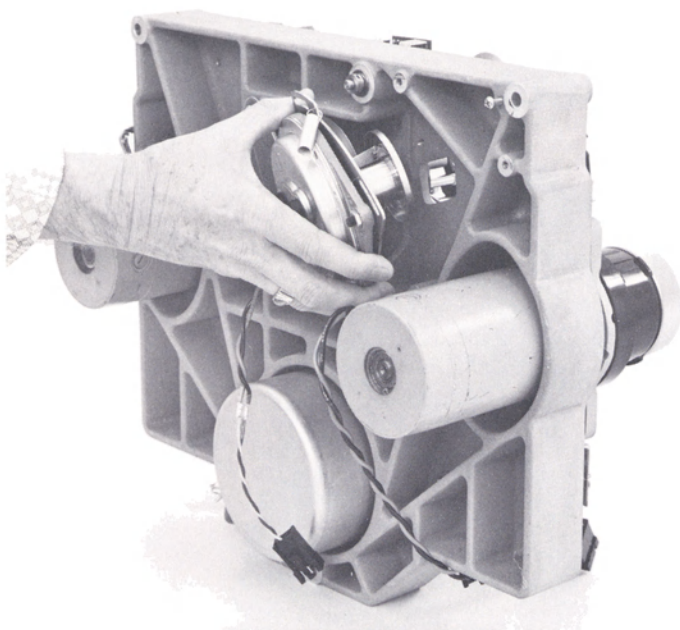


Add powerful direct-drive D.C. reel motors . . .

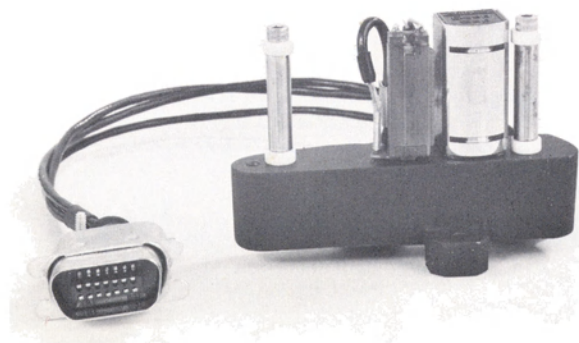


a self-contained scanner assembly. . .

... and a fully servoed D.C. capstan motor.

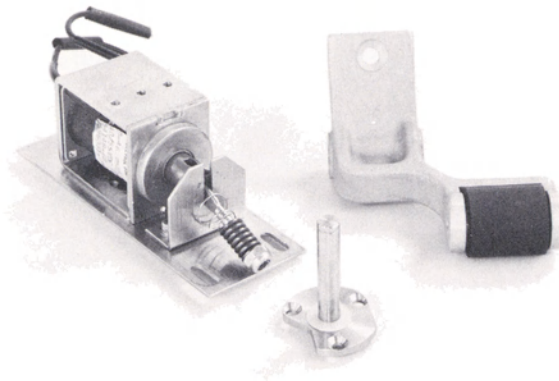


Place precision fixed-azimuth audio heads on die-cast head blocks

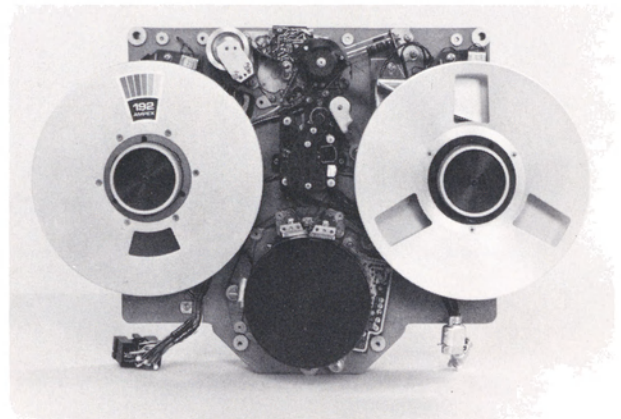
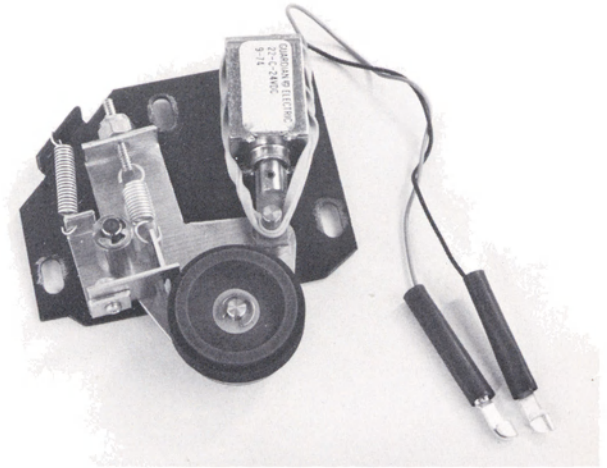


... and include fixed ceramic tape guides, prealigned to the heads for exceptional tracking accuracy.

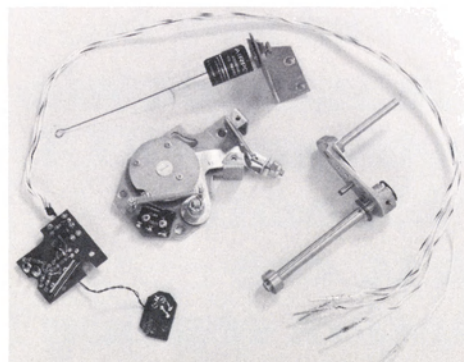
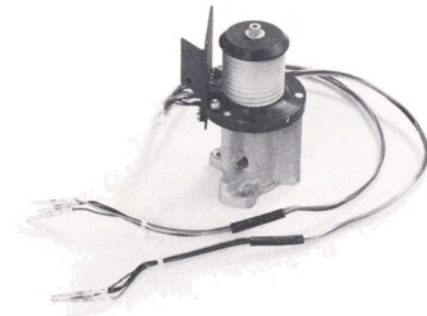
**Add differential mechanical brakes
(used ONLY for loss of power) ...**



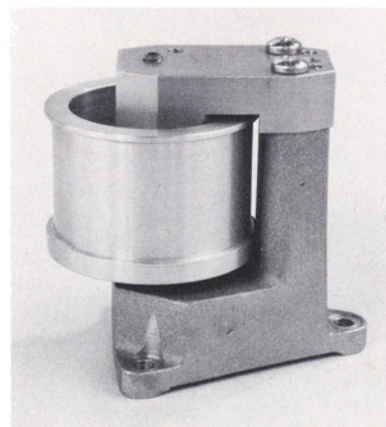
**a rugged solenoid
operated pinch-roller
assembly ...**



**an electronic tape-timer
tachometer ...**

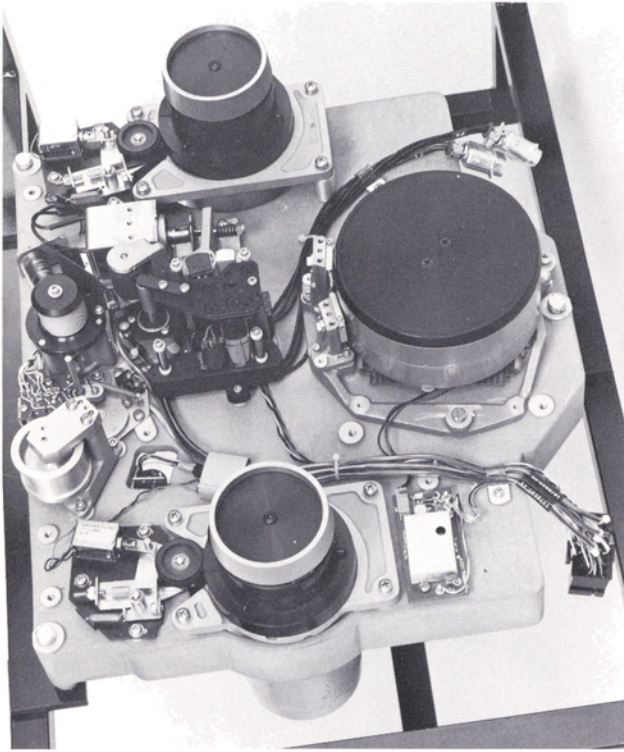


**a tension sensor
assembly ...**



**and a precision idler
assembly.**

Put it all together, and you have a rugged transport with the precision built-in, not added on.



A versatile control panel with a professional's choice of controls

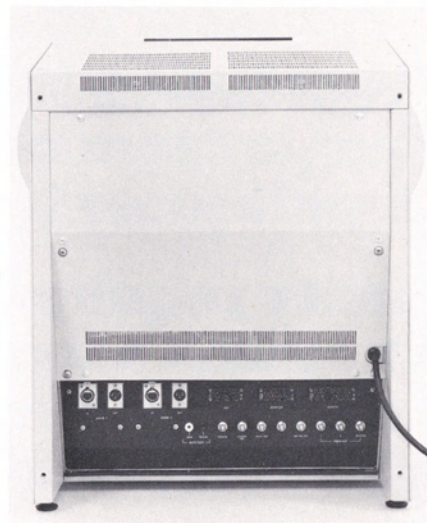


- **Electronic tape timer**
- **Full insert and assemble editing**
- **Search to cue**
- **Full motion sensing**

Put the signal-system electronics up-front for servicing convenience. Add quiet "clamshell" head covers.



Bring all input/output connections to a single panel accessible in all configurations.



And you have the most versatile VTR ever offered.



WHAT ARE THE KEY ADVANTAGES OF HELICAL SCAN RECORDING?

- **Simplicity**
- **Low operating costs**
- **No banding**
- **Slow motion**
- **Still-framing**

To realize this versatility requires a field-per-scan recording system.

But therein lies the nemesis of all helical recorders.

High quality requires a high writing speed—and that means a longer scan length. And a longer scan length means difficult tracking... (and difficult interchange).

THERE ARE COMPROMISES . . .

- **Segmentation. But segmented scan sacrifices the key advantages of helical.**
- **Low writing speed. But there goes the quality. These systems must use “color under” or heterodyne color recovery techniques.**

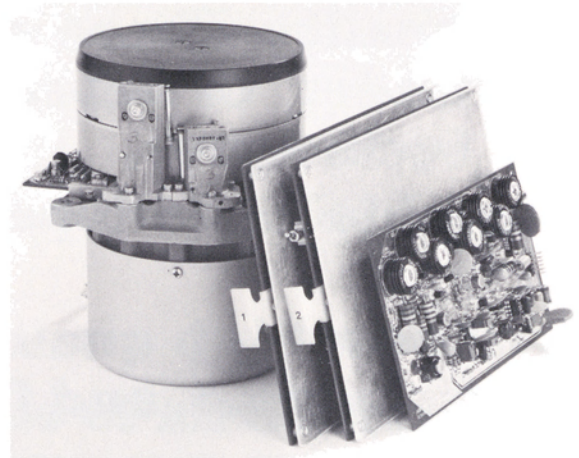
Until now high quality helical meant difficult interchange . . . and frequent adjustment.

Now Ampex announces the most significant break-through since helical recording itself . . .

AUTOMATIC SCAN TRACKING (AST)

The AST system incorporates a unique scanning system which can move in two planes simultaneously . . . and follow even severely mistracked signals.

Even a tape so badly recorded that it actually crosses over the guard band to the next track can play back perfectly!



This feature is unprecedented in a VTR. Many tapes which were considered unrecoverable . . . produce flawless pictures.

- **Forget interchange problems**
- **Forget tape library problems**
- **It's still the Ampex 1" format**

But auto tracking is only the beginning!

1/5 SPEED SLOW-MOTION

- **No noise bar**
- **No jitter**
- **AST can actually jump tracks to maintain a perfect picture in slow motion**
- **How perfect? With the optional time base corrector you can broadcast it!**



STILL-FRAMING

- **No noise bar, no jitter.**
- **AST gives a perfect—even broadcastable—still frame picture.**

MANUAL JOGGING

- **“Jog” forward or backward, a frame at a time. The picture remains rock steady—an editor’s dream come true**
- **“Sneak up” on an edit in 1/5 speed—then still-frame. Jog if necessary to find the exact edit point**
- **And finally, use the built-in backspace editor for a perfect edit**

And that’s not all . . .

FULL QUALITY VIDEO VERIFICATION

With the AST, as you record, the VPR-1 simultaneously plays back a full-quality reproduceable signal.

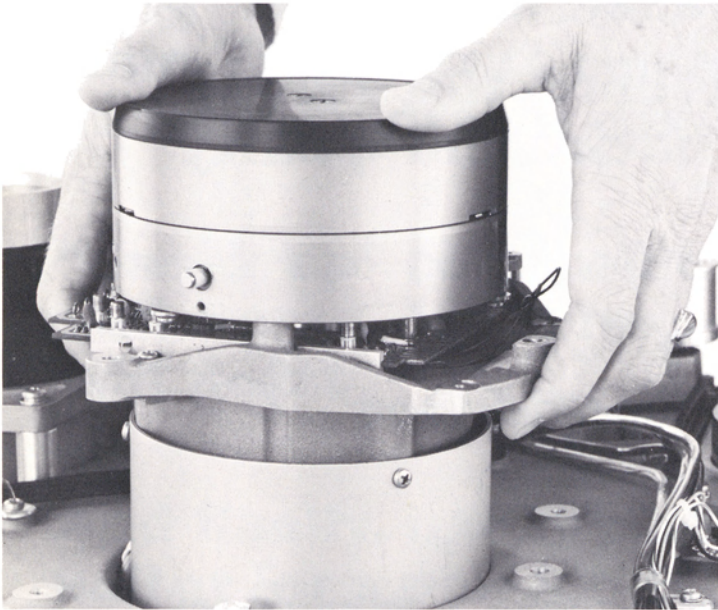
- **Optimization is easy**
- **Absolute recording confidence**

AUTOMATIC SCAN TRACKING

- **Autotracking**
- **Slow motion (1/5 speed)**
- **Still frame**
- **Manual jogging**
- **Video verification**

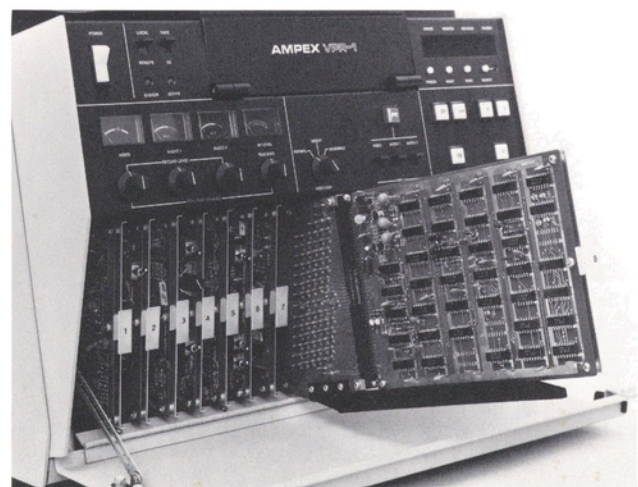
No other VTR in the world can do all that!

MAINTENANCE? YOU'VE NEVER HAD IT SO GOOD.



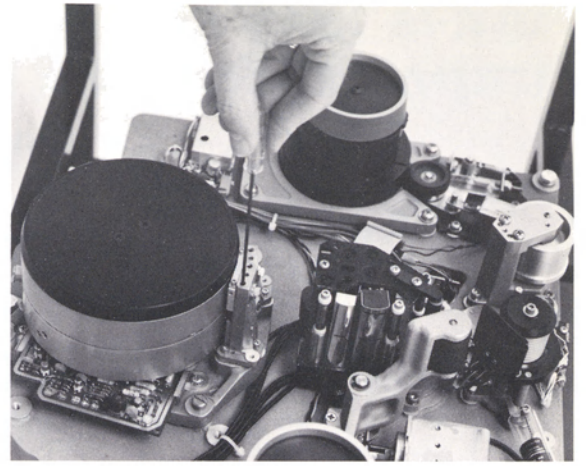
**All mechanical assemblies
mount from the front
(except the capstan drive
assembly) quickly and
easily.**

**A convenient extender
card is included in the
VPR-1.**



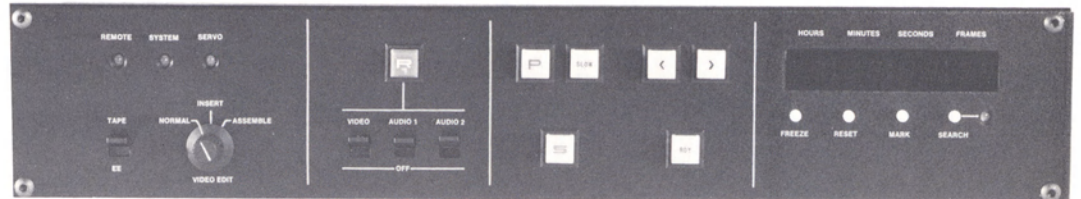
Interchange adjustment is a snap. Set it once and forget it.

All tape guides are fixed, precision assemblies.



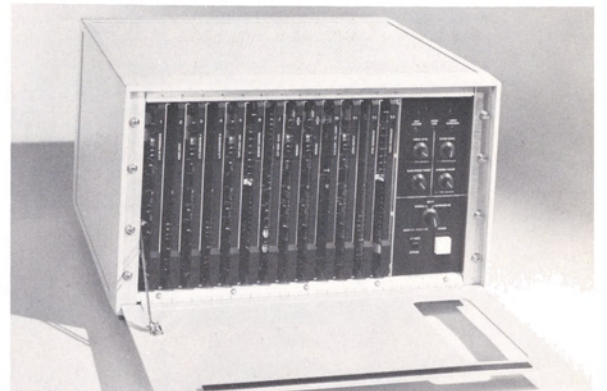
ACCESSORIES

- **Full remote control panel**

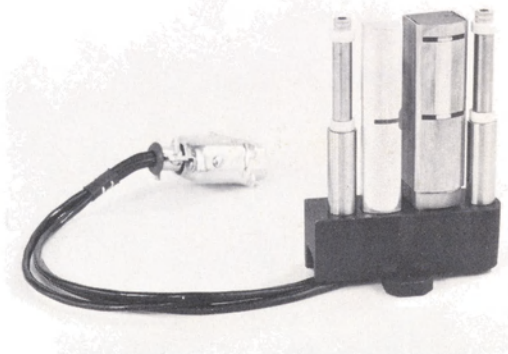


- **Wide range digital time-base corrector permits broadcastable**

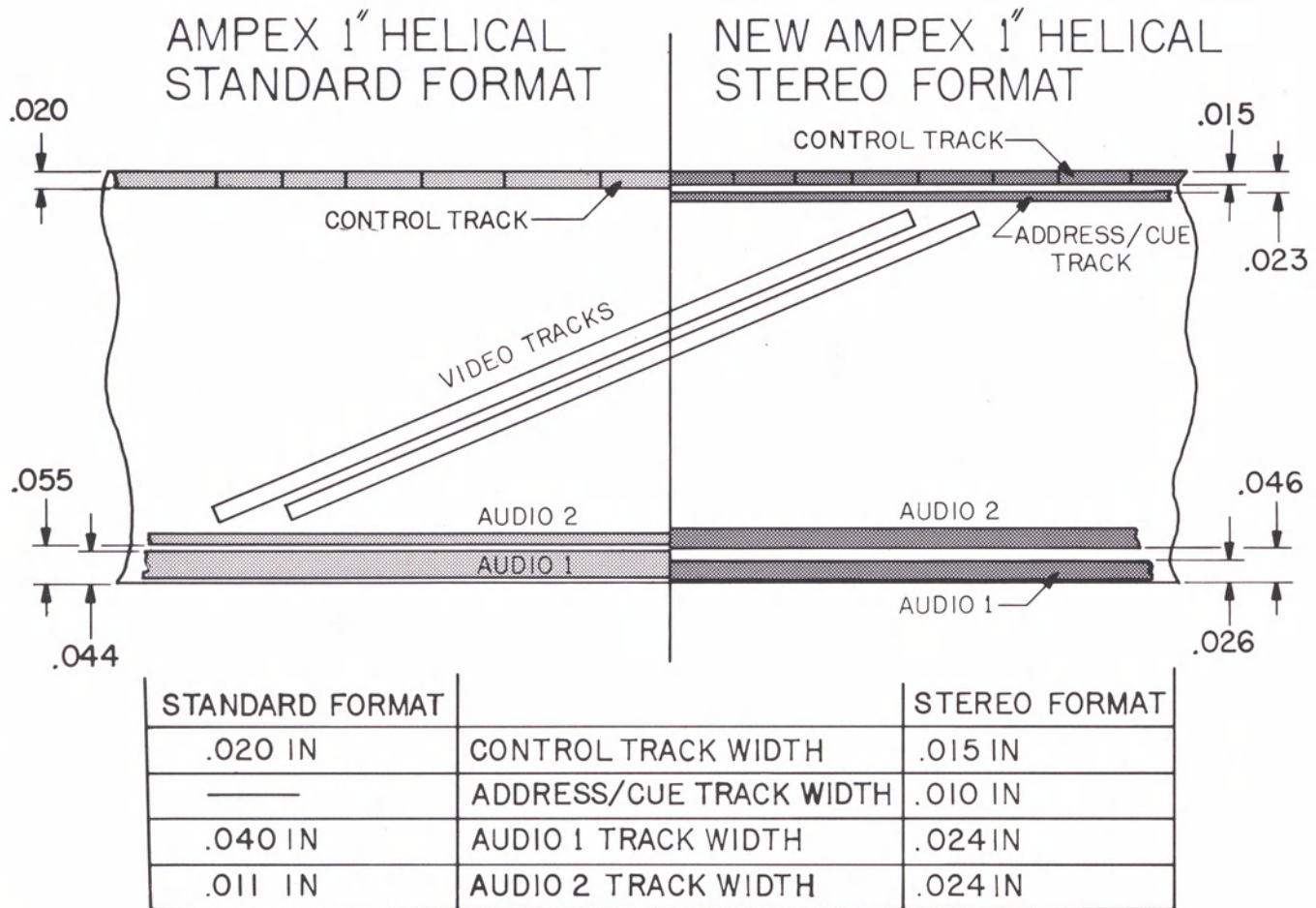
- **Slow-mo**
- **Still-frame**



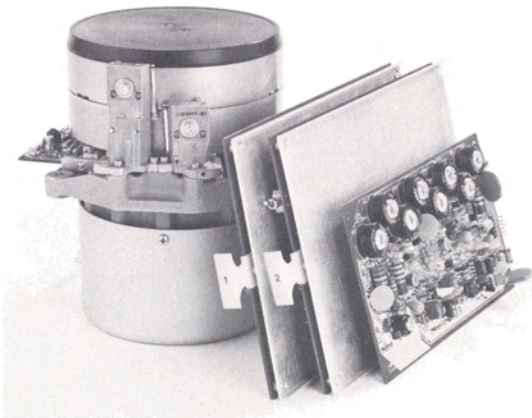
- **Dual/stereo audio**
 - **Includes 2 full audio channels**
 - **Separate monitor electronics**
 - **Separate cue channel**



And is fully compatible with the Ampex 1" format!



- **Automatic scan tracking**



And of course a complete array of packaging and monitoring options.

For additional information, contact the Ampex sales office listed below:

U.S. SALES OFFICES

CALIFORNIA

500 Rodier Drive
Glendale 91201
(213) 240-5000

GEORGIA

3135 Chestnut Drive
Suite 101
Atlanta 30340
(404) 451-7112

ILLINOIS

2201 Lunt Avenue
Elk Grove Village 60007
(312) 593-6000

MARYLAND

10215 Fernwood Road
Bethesda 20034
(301) 530-8800

NEW JERSEY

75 Commerce Way
Hackensack 07601
(201) 489-7400
in New York Phone 736-6116

OHIO

4130 Linden Avenue
Dayton 45432
(513) 254-6101

TEXAS

1615 Prudential Drive
Dallas 75235
(214) 637-5100

INTERNATIONAL SALES OR SERVICE COMPANIES

ARGENTINA

Ampex Electronica S.A.
Cerrito 836, 9th Floor
Casilla de Correo 5403
Buenos Aires, Argentina
Telephone: 46-9029 or 40-7881

AUSTRALIA

Ampex Australia Pty. Ltd.
4 Carlotta Street
Artarmon
Sydney NSW 2064
Telephone: 439-4077

BELGIUM

Ampex S.A.
Rue de l'Industrie
B-1400
Nivelles—Belgium
Telephone: 067/2249.21

BRASIL

Ampex Do Brasil Electronica Ltda.
Conjunto 1.502-15 Andar, Bloco D
Rua Mexico, 31
20.000—Rio de Janeiro
Brasil
Telephone: 242-3795

CANADA

Ampex Canada Ltd.
132 East Drive
Bramalea, Ontario, Canada
Telephone: (416) 453-3100

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Bogota, D.E. Colombia
Telephone: 43-82-43- and 41-43-84

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England
Telephone: 734-85200

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92100—Boulogne
France
Telephone: 609.91.55

GERMANY (Federal Republic)

Ampex Europa GmbH
6000 Frankfurt (Main)
Walter-Kolb-Str. 9-11
Germany (Federal Republic)
Telephone: 60581

GREECE

Ampex World Operations S.A.
Kifisias Avenue 260
Halandri (1), P.O. Box 45
Athens, Greece
Telephone: 671-8160

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Ampex World Operations S.A.
1801-1805 Star House
3 Salisbury Road
Kowloon, Hong Kong B.C.C.
Telephone: K-678051-3

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Ampex—Milano
Via Turati, 6
Milano—20121
Italy
Telephone: (02) 65.15.41-2-3-4

Ampex Italiana S.p.A.
Via Flavio Domiziano 10,
Roma 00145, Italy
Telephone: (06) 51.38 341

JAPAN

Ampex Japan Ltd.
3, Kojimachi 3-Chome
Chiyoda-Ku
Tokyo, Japan 102
Telephone: 03-264-7331

MEXICO

Ampex De Mexico, S.A. de C.V.
Apartado Postal 13-615
Division del Norte No. 1832
Mexico 13, D.F.
Telephone: 539-68-70/71/72

NETHERLANDS

Ampex B.V.
2505 Utrecht
Zamenhofdreef 65A
Netherlands
Telephone: 030-61.29.21

SOUTH AFRICA

Ampex South Africa (Pty.) Ltd.
8th Floor, Standard House
67 Simmonds St.
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Rissneleden 8
P.O. Box 7056
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